



INDUCED SPUTUM WORKSHEET

For post albuterol FEV₁ <50% Predicted

ID NUMBER:

FORM CODE: ISP
VERSION: 3.0 07/23/2018

Event _____

0a) Form Date: / /

0b) Staff Code

0c) Date Collected: / /

0d) Procedure Start Time: : AM/PM (circle one)

Instructions: This form should be completed during the participant's visit.

FEV₁

4a) 1)	Baseline #1	
5a) 2)	Baseline #2	
6a) 3)	Baseline #3	
7) 4)	Baseline spirometry reviewed by:	
8) 5)	Spirometry ok to continue? <input type="checkbox"/> No ₀ → End Form <input type="checkbox"/> Yes ₁	
9a) 6)	10 min post albuterol	
10a) 7)	Trial #1	
11a) 8)	Trial #2	
	Trial #3	

1a/1b) 9) 10% fall from . multiplied by 0.9 is . - use this value to determine if saline is to be increased to 3% after the first 7 min. (use best post albuterol FEV₁ to calculate)

2a/2b) 10) 20% fall from . multiplied by 0.8 is . (use best post albuterol FEV₁)
(Discontinue tests, give albuterol. Perform PFTs at 10 minutes)

3) 11) Was the participant given albuterol prior to sputum induction?
 No₀ → **Go to 12**
 Yes₁

3a) 11a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
 No₀
 Yes₁

3b) 11b) How many puffs of albuterol was the participant given? puffs

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FEV₁

12a 12)	1 min at 0.9% NaCl If FEV ₁ <20% drop, continue	
13a 13)	2 min at 0.9% NaCl If FEV ₁ <20% drop, continue	
14a 14)	5 min at 0.9% NaCl If FEV ₁ <20% drop, continue	
15a 15)	7 min at 0.9% NaCl	
16)	First 7 minutes complete, continue induction?	<input type="checkbox"/> No ₀ → Go to 27 <input type="checkbox"/> Yes ₁
17)	If yes, % NaCl used: NOTE: If FEV ₁ <10% drop, then increase to 3% NaCl after sample is collected. If FEV ₁ =11-19% drop, then continue at 0.9% NaCl. If FEV ₁ >20% drop, then stop induction procedure.	<input type="checkbox"/> 0.9% NaCl ₁ <input type="checkbox"/> 3% NaCl ₀
18a 18)	1 min If FEV ₁ <20% drop, continue	
19a 19)	2 min If FEV ₁ <20% drop, continue	
20a 20)	5 min If FEV ₁ <20% drop, continue	
21a 21)	7 min If FEV ₁ <20% drop, continue	
22)	Second 7 minutes complete, continue induction? NOTE: if continuing, use same saline concentration	<input type="checkbox"/> No ₀ → Go to 27 <input type="checkbox"/> Yes ₁
23a 23)	1 min If FEV ₁ <20% drop, continue	
24a 24)	2 min If FEV ₁ <20% drop, continue	
25a 25)	5 min If FEV ₁ <20% drop, continue	

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26a 26)	7 min	Third 7 minutes complete. <i>Induction Complete.</i>	
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*Remind subject to rinse mouth and cheeks thoroughly, gargle - spit into sink.
 Clear throat, scraping throat and roof of mouth - spit into sink. Blow nose – discard
 Deep cough from chest and spit into sputum sample cup.
 DO NOT HAWK OR SCRAPE when producing sample. Passively bring it past the throat into the cup!*

26a) Procedure End Time: : AM/PM (circle one)

27) Was the participant able to produce sputum?

- No₀
- Yes₁

28) Was the induction terminated early?

- No₀ → **Go to 30**
- Yes₁

29) Reason terminated early

- FEV1 dropped >20%₁
- Participant requested to stop₂
- Other₃

29a) If Other, please specify: _____

30) Did the participant require additional albuterol?

- No₀ → **Go to End**
- Yes₁

If participant's FEV1 dropped >20% from baseline and/or if a 2nd dose of albuterol was required, conduct a post-induction spirometry and record values here:

FEV₁

31a 31)	Trial #1	
36a 32)	Trial #2	
33a 33)	Trial #3	

END OF FORM